BALADURAGE KAVINDA

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SUMMARY

Highly enthusiastic Trainee Full-Stack Developer with a strong interest in back-end development, AI, and DevOps. Proven ability to take responsibility, excel in research and development, and quickly learn new technologies. A solutions-driven team player with leadership experience, consistently delivering tasks on time with high quality.

EDUCATION

University of Ruhuna, Sri lanka   **March 2020 – Present**

Bachelor of Information and Communication Technology   *GPA 3.91/4 - 6 Semesters*

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Advanced Database Management
- Computer Architecture
- Computer Networks
- Software Project
- Individual Research
- Web Application Development
- Operating Systems
- Artificial Intelligence
- Object-Orientated Design Patterns and Principles
- Advanced Programming/Java, C++

EXPERIENCE

Treinetic (Pvt) Ltd, Battaramulla   **Jun 2024 – Present**

Trainee Full-Stack Developer(Back-End)

- Developed back-end services using Spring Boot, Flask, and Django
- Designed and implemented RESTful APIs, integrated third-party APIs, and optimized database queries for performance
- Worked on database management using MySQL and MongoDB, implementing indexing and efficient query strategies
- Developed and maintained microservices-based architectures, ensuring scalability, modularity, and efficient service communication.
- Integrated automated email notifications and user alerts using SMTP and AWS SES
- Configured and managed AWS S3 for cloud storage, handling secure file uploads and access control
- Implemented authentication mechanisms, including JWT-based authentication and role-based access control
- Worked on message queuing systems (Celery) to handle asynchronous operations.
- Contributed to testing and quality assurance, using tools like Postman for API testing and JUnit for unit testing.
- Developed software solutions for enterprise clients, improving workflow efficiency and security measures
- Participated in Agile development methodologies, attending daily stand-up meetings, sprint planning, and code reviews.
- **Technologies**: Spring Boot, Flask, Django, React, Python, SMTP, Celery, Open AI API, AWS S3 Bucket, Mongo DB, MySQL, GitHub, Micro Service

SKILLS

Languages: Java, Python, C, JavaScript, PHP, HTML, CSS, SQL
Databases: MySQL, MongoDB, PostgreSQL, Firebase
Framework : Java Spring Boot, MERN Stack (MongoDB, Express.js, React.js, Node.js), Bootstrap, Flask, Django
Data Science: LLMs, Open AI, Machine Learning, Deep Learning, NLP
Cloud Technologies: AWS, Basic proficiency in Azure, Ansible, Kubernetes, and Docker
Developer Tools: VS Code, IntelliJ IDEA, GitHub, Postman, Android Studio, Ubuntu
Soft Skills: Leadership, Communication, Teamwork, Time Management, Critical Thinking, and Problem-Solving.

PUBLICATION

Individual Research - Road Double Line Violation Detection Using Deep Learning   **Jan 2024 – Dec 2024**

The research focused on the development of a deep learning-based system for the detection and monitoring of vehicle road double line violations, aiming to enhance traffic safety and compliance.

PROJECTS

SEC - Workflow Management System | *Spring Boot, SMTP, MongoDB, AWS* **Dec 2024 – Present**

Customized enterprise workflow management system for the Securities and Exchange Commission

Developed entity management, inquiry management and workflow APIs including 2FA authentication systems

Oneiro Mobile Application | *Java Spring Boot, Flask, MySql, Microservices, S3, Apple Pay, OpenAI* **Sept 2024 – Dec 2024**

Developed an AI-powered storytelling platform with secure payment integration

Designed and implemented API endpoints for story generation, parental controls, and payments

TIMO Time Tracker | *Java, Spring Boot, JWT, React, Machine learning, MySQL* **June 2024 – Dec 2024**

Designed system architecture and managed project development, including back-end implementation

Implemented role-based access control, time tracking system, project management, report generation and secure authentication mechanisms

SouthernLanka - Car Rental Management System | *Springboot, MySQL, XML, Firebase, JS, Ajax, Bootstrap* **Jan 2024 – Present**

A real-world project enhancing the efficiency of car rental services, developing a mobile application with a web platform for Matara Sothern Lanka PVT LTD.

Frontend of mobile application is developed using XML with Java and backend is developed using Springboot

NiceJOB - MERN Stack Job Portal Application | *MongoDB, Express.js, React.js, Node.js, Tailwind CSS* **March 2024 – May 2024**

This is a full-stack job portal with user registration for job seekers and employers, job posting, and advanced search and filtering functionalities, including job suggestion functionality

Full Stack- Blog Application | *Node.js, React.js, MVC architecture, WEB APIs, JWT, Express.js* **Jan 2023– Sept 2023**

A comprehensive web application that aims to provide users with a platform to create, edit, and share blog posts seamlessly and suggest similar articles to users.

FOT-HMS(Hostel Assets Management System) | *Spring Boot, Ajax, Bootstrap, JavaScript, Retrofit, MySQL* **Aug 2023 – Nov 2023**

A Mobile app and Website for modernizing the hostel management process, to enhance asset management, student accommodation processes, and hostel administration efficiency using advanced database concepts - Hibernate, Triggers, Events, Procedures, and Stored Functions.

Zaara.lk: Online Fashion Retail Platform | *PHP, HTML5, CSS, Bootstrap, JavaScript, PayPal Checkout SDK* **Aug 2022 – Dec 2022**

An online shopping platform for trendy clothing and accessories. This platform showcases unique fashion and simplifies the online retail process.

ACHIEVEMENTS

Indian Institute of Technology—Madras Visit : Member of the Delegate Team, University of Ruhuna
Certification: Postman API Fundamentals Student Expert, GitHub Foundations Certification
Hacker Rank: Problem-Solving Silver Badge, Java Silver Badge

VOLUNTEERING

President: Cultural Circle at University of Ruhuna
AIESEC in Sri Lanka: Project TechZoid—Instructor (Python)
Treinetic (Pvt) Ltd: Project CSR—Computer Lab Donation 2024
LEO Club in University of Ruhuna : Project Yaathra 2023/2024
ICTSC Ruhuna: Student Mentor - University Student Mentoring Program

REFERENCES

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